

REMARKS

Applicants respectfully traverse and request reconsideration.

Claims 1-22 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,463,298 (Sorenson et al.) in view of U.S. Patent No. 6,252,865 (Walton et al.). As to claims 1, 3, 4, 10, 13, 16 and 21, the office action admits that Sorenson fails to teach or suggest, logic circuitry that generates reverse link limited channel data that includes at least one of channel identification data associated with the channel that has been determined to have a reverse link limitation, or base station identification data associated with the channel determined to have a reverse link limitation, or a location identification indicating the location of the reverse link limitation. Walton also has not been cited as teaching this subject matter. Instead, the office action appears to fail to address the claim language. For example, it is stated “In a CDMA wireless system that implements reverse link limitation, Walton discloses an architecture that includes identifying devices associated with BS data and channels.” (Page 3 of office action). However, there is no indication of what portion of Walton is being utilized to reject Applicants’ claims such as what or why devices are identified that are associated with “BS data and channels” and as such, the office action does not provide a prima facie rejection. As such, the claims are in condition for allowance. If the rejection is maintained, Applicants respectfully request a showing by column and line number of which portion of Walton is being used in an effort to reject the claims.

Applicants also respectfully note that the Walton reference is actually directed to methods and apparatus for fast power control of signals transmitted on multiple access channels by, for example, having a base station continuously output power control bits to indicate that mobile stations should increase their radio access channel power when attempting to access reverse access channels. Walton does not appear to teach or suggest any logic or operation dealing with

an access probe failure that includes generating reverse link limited channel data as claimed let alone that such data is specifically base station identification data associated with the channel that had the access probe failure, as required by the claim. As such, Applicants respectfully that the claims are in condition for allowance.

Moreover, combining Sorenson with Walton would simply result in a system of Sorenson that utilized known techniques of repeatedly attempting access using preferred lists to ultimately gain access to a system in combination with base stations of Walton that provided power control information packets to mobile stations so that the mobile stations can increase their power when attempting communication on reverse access channels. Neither reference teaches the claimed subject matter as neither reference requires such operation. Sorenson uses a different approach namely a continual attempt at accessing systems on lists.

Among other advantages, Applicants claimed operation of generating channel identification data associated with the channel that provided the access probe failure, base station identification data associated with the channel that provided access probe failure or location identification data indicating a location where the access probe failure occurred in the system, allows the mobile station to quickly identify a reverse link limited channel since it has already generated data identifying the reverse link limited channel so that if communication occurs on the same channel, the mobile station is already aware that it is likely a reverse link limited channel. (See for example, Specification, page 36 and elsewhere). Neither reference alone or in combination teaches generation of reverse link limited channel data as claimed. Accordingly, these claims are in condition for allowance. In addition, claim 4 requires memory that is operatively coupled to the logic circuitry that contains the reverse link limited channel data. Again as noted above, such storage of data allows the mobile device, to among other things,

readily ascertain reverse link limited channels in future communications to avoid communicating on the channels or to take corrective action when that same channel has been identified. Other advantages will be recognized by those of ordinary skill in the art.

The dependent claims add additional novel and non-obvious subject matter. For example, claims 8 and 20 require that the logic circuitry (or method) is operative to not attempt to register the wireless device on the channel if a current location of the wireless device is in close proximity to the location associated with the location identification data contained in memory or the memory contains the reverse link limited data and the signal quality metric associated with the system ID data broadcast on the channel is less than the threshold. Again, Applicants respectfully reassert the relevant remarks made above and again note that the cited references do not teach or suggest such an operation since no such data is generated, stored nor used by either of the cited references or alone or in combination. If the rejection is maintained, Applicants respectfully request a showing as to where the cited references teach or suggest the subject matter.

Applicants respectfully submit that the claims are in condition for allowance and that a timely Notice of Allowance be issued in this case. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (312) 609-7500.

Respectfully submitted,

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